



Permit to Construct or Modify an Air Contaminant Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: August 28, 2014

Permit Number:
968990P

Date Expires: August 27, 2015

Issued To: Phillips & Jordan, Inc.

Installation Address:
2652 North Hwy 92
Jefferson City

Installation Description:

Temporary portable continuous mix plant for producing Roller Compacted Concrete (RCC). The RCC plant will consist of an AccuMix 750 XB continuous mixing pugmill, a 45 ton cement silo, a 50 ton fly ash silo, and a QSC8.3 non-road diesel engine. Control device for silos: Negative pressure fabric filters

Emission Source Reference No.
45-0161-01

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit was dated July 15, 2014, and was signed by Gerry Arvidson, Operations Manager for the permitted facility. If this person terminates employment or is reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(conditions continued on next page)


TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

2. Production rate for this facility shall not exceed 18,000 cubic yards of RCC per calendar year. TAPCR 1200-03-09-.01(1)(d) and permit application dated July 15, 2014.
3. The permittee shall monitor and record the concrete production at this facility, in a form that readily assures compliance with Condition 2. The information required in the table below, shall be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This record shall be retained for a period of not less than two (2) years. 1200-03-10-.02(2)(a)

Month	Production (cubic yards)	Month	Production (cubic yards)	Month	Production (cubic yards)
January		May		September	
February		June		October	
March		July		November	
April		August		December	
Total(s) for calendar year					

All data must be entered in the above log no later than thirty (30) days from the end of month for which data is required.

4. Particulate matter emitted from each silo dust collector vent at this source shall not exceed **0.02** grain per dry standard cubic foot (0.2 lb/hr) in accordance with the application dated July 15, 2014, and in accordance with 1200-03-07-.04(1) of Tennessee Air Pollution Control Regulations.
5. Visible emissions from **roads and parking areas** shall not exceed ten (10) percent opacity utilizing Tennessee Visible Emission Evaluation (TVEE) Method 1, as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982 and August 24, 1984, (2-minute average).

This condition is established pursuant to the Tennessee Air Pollution Control Rules 1200-03-08-.03.

6. **Fugitive** emissions from this source shall be controlled as specified in Rule 1200-03-08-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-03-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.
7. Visible emissions from this **source** not covered by **Conditions 5 and 6** shall not exhibit greater than twenty (20) percent opacity, except for one (1) six-minute period in any one (1) hour period and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (6-minute average).

This condition is established pursuant to the Tennessee Air Pollution Control Rules 1200-03-05-.01(1) and -.03(6).

8. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control device(s). Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than two (2) years. TAPCR 1200-03-20-.02(1)
9. Upon the malfunction/failure of any emission control device(s) serving this source, the operation of the process(es) served by the device(s) shall be regulated by Chapter 1200-03-20 of the Tennessee Air Pollution Control Regulations. TAPCR 1200-03-09
10. This source shall comply with all applicable state and federal air pollution regulations. This includes, but is not limited to, federal regulations published under 40 CFR 63 for sources of hazardous air pollutants and 40 CFR 60, New Source Performance Standards. TAPCR 1200-03-09-.03(8)

11. The control device(s) shall operate at all times when the processing and handling equipment operate that are served by the control device. 1200-03-09
12. This permit is valid only at this location. TAPCR 1200-03-09-.03(6).
13. The permittee shall certify the start-up date of the new air contaminant source regulated by this permit by submitting

A COPY OF ALL PAGES OF THIS PERMIT,

with the information required in A.) and B.) of this condition completed, to the Technical Secretary's representatives listed below:

A.) DATE OF START-UP: _____ / _____ / _____
month day year

B.) Anticipated operating rate: _____ percent of maximum capacity

For the purpose of complying with this condition, “start-up” of the new or modified air contaminant source shall be the date of the setting in operation of the source for the production of product for sale or for use as raw materials or steam or heat production.

The undersigned represents that he/she has the full authority to represent and bind the permittee in environmental permitting affairs. The undersigned further represents that the above provided information is true to the best of his/her knowledge and belief.

Signature

Date _____

Signer's name (type or print)

Title

Phone (with area code)

Note: This certification is not an application for an operating permit. At a minimum, the appropriate application form(s) must be submitted requesting an operating permit. The application must be submitted in accordance with the requirements of this permit.

The completed certification shall be delivered to the East Tennessee Permit Program at the addresses listed below, no later than thirty (30) days after the air contaminant source is started-up.

East Tennessee Permit Program
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243

An electronic copy (PDF) of start-up can also be submitted to the following email address:

Air.Pollution.Control@tn.gov TAPCR 1200-03-09-.02(3)(b)

14. This permit shall serve as a temporary operating permit from initial start-up to the receipt of a standard operating permit, provided the operating permit is applied for within 30 days of initial start-up, and the conditions of this permit and any applicable emission standards are met. TAPCR 1200-03-09-.02(2) and 1200-03-09-.02(3)
15. This source shall operate in accordance with the terms of this permit and the information submitted in the approved permit application. TAPCR 1200-03-09-.01(1)(d) and the application dated July 15, 2014.

(end of conditions)

The permit application gives the location of this source as Latitude: 36° 09' 27" and Longitude: 83° 30' 41"



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
WILLIAM R. SNODGRASS TENNESSEE TOWER
312 ROSA L. PARKS AVENUE, 15TH FLOOR
NASHVILLE, TENNESSEE 37243

August 28, 2014

Mr. Gerry Arvidson, Operations Manager
Phillips & Jordan, Inc.
10201 Parkside Dr., Suite 300
Knoxville, Tennessee 37922

Re: 45-0161-01, Permit Number 968990P, Phillips & Jordan, Inc.
TVA Cherokee Dam RCC Project, 2652 North Hwy 92, Jefferson City,
Construction Permit Application dated July 15, 2014

Dear Mr. Arvidson:

Enclosed is construction permit number 968990P.

There were no comments from the public during the 30 day comment period that ended August 27, 2014. This construction permit shall serve as temporary operating permit provided the conditions of this construction permit and any applicable standards are met.

If you have questions, please contact Abbas Yavari at (615) 532-0068 or Abbas.Yavari@TN.gov.

Sincerely,

Steven Simpson, Section Manager
East Tennessee Permit Program